

## ABSTRACT OF THE DISCLOSURE

A washing machine control method and a washing machine using the same are provided, by which the performance of a dewatering step is unimpeded and vibration and noise are prevented. The method includes steps of executing a dewatering step; accelerating  
5 a motor to rotate a drum, according to a predetermined rate, in response to the dewatering execution step; detecting, if the predetermined rate exceeds a first value but is less than a second value, whether a state of vibration exists with respect to the drum rotated according to the predetermined rate; and stopping the motor if the detected state of vibration exists. The method preferably includes steps of detecting an eccentricity value with respect to the drum  
10 rotated according to the predetermined rate; and comparing the detected eccentricity value to a reference eccentricity value stored in a lookup table. The washing machine includes a motor to rotate a drum according to a predetermined rate; a vibration state detector for detecting whether a state of vibration exists with respect to the rotating drum; and a microcomputer having a lookup table, coupled to the vibration state detector, for controlling  
15 the predetermined rate of the motor and for stopping the motor if the detected eccentricity value exceeds a reference eccentricity value stored in the lookup table or if the detected state of vibration exists. The washing machine preferably includes means for detecting eccentricity value with respect to the rotating drum so that the motor may be also stopped if the detected eccentricity value exceeds a reference eccentricity value stored in the lookup  
20 table.